

Claims

WHAT IS CLAIMED IS:

- 5 1. A method of mobile device messaging comprising:

collecting from an originating system information including content data to be sent to the

mobile device;

generating one or more short messages encapsulating the content data, the short message

formatted to be readable by a web service and the content data formatted to be
10 readable by the mobile device; and

sending the one or more short messages to the web service for delivery to the mobile

device.
- 15 2. The method of claim 1, further comprising:

receiving the one or more short messages at a web service;

determining whether a sender of the short message is authentic and authorized to send the

short message based on sender information in the short message; and

if the sender of the short message is authentic and authorized to send the short message,

sending the content data from the short message to the mobile device.
- 20 3. The method of claim 1, wherein collecting information to be sent to the mobile device

further comprises collecting sender information, the sender information comprising a

sender identification and a sender password.
- 25 4. The method of claim 1, wherein collecting information to be sent to the mobile device

further comprises collecting destination information, the destination information

comprising a service provider and a cellular telephone number of a destination mobile device.

5. The method of claim 1, wherein collecting information to be sent to the mobile device
5 further comprises collecting delivery information, the delivery information comprising a time and date for the web service to send the content data to the mobile device.
6. The method of claim 1, wherein generating a short message further comprises:
determining whether the content data is longer than a pre-determined size for the short
10 message;
responsive to determining the content data is longer than the pre-determined size for the short message, determining whether to split the content data into multiple portions;
responsive to determining to split the content data into multiple portions, splitting the
15 content data into multiple portions, each portion not longer than the predetermined size for the short message; and
encapsulating each portion in a separate short message.
7. The method of claim 1, wherein generating a short message comprises generating an
20 eXtensible Mark-up Language (XML) file including the content data contained in a Short Message Service (SMS) message.
8. The method of claim 1, wherein generating a short message comprises generating an
eXtensible Mark-up Language (XML) file including the content data contained in a
25 Multimedia Message Service (MMS) message.

9. The method of claim 1, wherein sending the short message to the web service comprises sending the short message using the Simple Object Access Protocol (SOAP).
10. A method for mobile device messaging comprising:
 - 5 receiving a short message from a web service client, the short messaging formatted to be readable by a web service and containing content data formatted to be readable by a mobile device;
 - determining whether a sender of the short message is authentic and authorized to send the short message; and
 - 10 if the sender of the short message is authentic and authorized to send the short message, sending the content data to the mobile device.
11. The method of claim 10, wherein the short message comprises an eXtensible Mark-up Language (XML) file including the content data contained in a Short Message Service (SMS) message.
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12. The method of claim 10, wherein the short message comprises an eXtensible Mark-up Language (XML) file including the content data contained in a Multimedia Message Service (MMS) message.
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13. The method of claim 10, further comprising:
 - generating a response readable by the web service client and indicating a status of delivery of the short message; and
 - 25 sending the response to the web service client.
14. A system for mobile device messaging comprising:

a processor; and

a memory coupled with and readable by the processor and containing instructions that,

when executed by the processor, cause the processor to collect from an originating system information including content data to be sent to the mobile device;

5 generate one or more short messages encapsulating the content data, the short message formatted to be readable by a web service and the content data formatted to be readable by the mobile device; and send the one or more short messages to a web service for delivery to the mobile device.

10 15. The system of claim 14, wherein collecting information to be sent to the mobile device further comprises collecting sender information, the sender information comprising a sender identification and a sender password.

15 16. The system of claim 14, wherein collecting information to be sent to the mobile device further comprises collecting destination information, the destination information comprising a service provider and a cellular telephone number of a destination mobile device.

20 17. The system of claim 14, wherein collecting information to be sent to the mobile device further comprises collecting delivery information, the delivery information comprising a time and date for the web service to send the content data to the mobile device.

25 18. The system of claim 14, wherein generating a short message further comprises: determining whether the content data is longer than a pre-determined size for the short message;

responsive to determining the content data is longer than the pre-determined size for the short message, determining whether to split the content data into multiple portions;

responsive to determining to split the content data into multiple portions, splitting the

5 content data into multiple portions, each portion not longer than the predetermined size for the short message; and

encapsulating each portion in a separate short message.

19. The system of claim 14, wherein generating a short message comprises generating an
10 eXtensible Mark-up Language (XML) file including the content data contained in a Short Message Service (SMS) message.

20. The system of claim 14, wherein generating a short message comprises generating an
eXtensible Mark-up Language (XML) file including the content data contained in a
15 Multimedia Message Service (MMS) message.

21. The system of claim 14, wherein sending the short message to the web service comprises sending the short message using the Simple Object Access Protocol (SOAP).

20 22. A system for mobile device messaging comprising:
a processor; and
a memory coupled with and readable by the processor and containing a series of
instructions that, when executed by the processor, cause the processor to receive a
short message from a web service client, the short messaging formatted to be
25 readable by a web service and containing content data formatted to be readable by
a mobile device, determine whether a sender of the short message is authentic and

authorized to send the short message, and if the sender of the short message is authentic and authorized to send the short message, send the content data to the mobile device.

- 5 23. The system of claim 22, wherein the short message comprises an eXtensible Mark-up Language (XML) file including the content data contained in a Short Message Service (SMS) message.
24. The system of claim 22, wherein the short message comprises an eXtensible Mark-up
10 Language (XML) file including the content data contained in a Multimedia Message Service (MMS) message.
25. The system of claim 22, further comprising:
generating a response readable by the web service client and indicating a status of delivery
15 of the short message; and
sending the response to the web service client.
26. A computer-readable medium encoding a computer program of instructions for executing
a computer process for mobile device messaging, said computer process comprising:
20 collecting from an originating system information including content data to be sent to the
mobile device;
generating one or more short messages encapsulating the content data, the short message
formatted to be readable by a web service and the content data formatted to be
readable by the mobile device; and
25 sending the one or more short messages to a web service for delivery to the mobile
device.

27. The computer-readable medium of claim 26, further comprising:
receiving the one or more short messages at a web service;
determining whether a sender of the short message is authentic and authorized to send the
5 short message based on sender information in the short message; and
if the sender of the short message is authentic and authorized to send the short message,
sending the content data from the short message to the mobile device.
28. The computer-readable medium of claim 26, wherein collecting information to be sent to
10 the mobile device further comprises collecting sender information, the sender information
comprising a sender identification and a sender password.
29. The computer-readable medium of claim 26, wherein collecting information to be sent to
the mobile device further comprises collecting destination information, the destination
15 information comprising a service provider and a cellular telephone number of a
destination mobile device.
30. The computer-readable medium of claim 26, wherein collecting information to be sent to
the mobile device further comprises collecting delivery information, the delivery
20 information comprising a time and date for the web service to send the content data to the
mobile device.
31. The computer-readable medium of claim 26, wherein generating a short message further
comprises:
25 determining whether the content data is longer than a pre-determined size for the short
message;

responsive to determining the content data is longer than the pre-determined size for the short message, determining whether to split the content data into multiple portions;

responsive to determining to split the content data into multiple portions, splitting the

5 content data into multiple portions, each portion not longer than the predetermined size for the short message; and

encapsulating each portion in a separate short message.

32. The computer-readable medium of claim 26, wherein generating a short message
10 comprises generating an eXtensible Mark-up Language (XML) file including the content data contained in a Short Message Service (SMS) message.

33. The computer-readable medium of claim 26, wherein generating a short message
15 comprises generating an eXtensible Mark-up Language (XML) file including the content data contained in a Multimedia Message Service (MMS) message.

34. The computer-readable medium of claim 26, wherein sending the short message to the web service comprises sending the short message using the Simple Object Access Protocol (SOAP).